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Agricultural Marketing Service

Volumne 20, No. July --September 1992

### Plant Variety Protection Office Official Journal



### PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The "Official Journal", published quarterly, is available at no charge from:

Plant Variety Protection Office
Science Division
Agricultural Marketing Service
U. S. Department of Agriculture
Rm. 500, NAL Bldg.
10301 Baltimore Blvd.
Beltsville, Maryland 20705

Telephone: 301/504-5518

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## JULY 1, 1992 TO SEPTEMBER 30, 1992 APPLICATIONS RECEIVED

APPL. NO.	APPL. VARIETY NO.	GEN.	APPL. DATE	NAME OF APPLICANT
B <b>ARLEY</b> 9200226	Мах	(3)	07/07/1992	(3) 07/07/1992 Farmers Marketing Corporation
BEAN, GARDEN 9200231	I, GARDEN 9200231 DMC 04-60		07/13/1992	07/13/1992 Del Monte Corporation
9200232	DMC 04-61		07/13/1992	07/13/1992 Del Monte Corporation

07/08/1992 Limagrain Genetics

08/27/1992 Lofts Seed, Inc.

9200256 SOUTHSHORE

<L171>

9200228 CORN, FIELD

< > Identifies temporary designations.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

<sup>3</sup> 

APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

CORN, FIELD       Continued         9200247       LH159       08/24/1992       Holden's Foundation Seeds, Inc.         9200248       LH165       08/24/1992       Holden's Foundation Seeds, Inc.         9200250       LH223       08/24/1992       Holden's Foundation Seeds, Inc.         9200251       LH224       08/24/1992       Holden's Foundation Seeds, Inc.         9200251       LH224       08/24/1992       Holden's Foundation Seeds, Inc.         9200241 <ss 109-5="">       08/04/1992       Seed Source, Inc.         9200264       Paymaster HS30       (3) 09/14/1992       Cargill Hybrid Seeds</ss>	APPL. NO.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
00248 LH165 00249 LH172 00250 LH223 00251 LH224 00241 <ss 109-5=""> 00264 Paymaster HS30 (3)</ss>	RN, FIELD 9200247	(Continued) LH159	Ü	08/24/1992	Holden's Foundation Seeds, Inc.
(3)	9200248	LH165		08/24/1992	Holden's Foundation Seeds, Inc.
00250 LH223 00251 LH224 00241 <ss 109-5=""> 00264 Paymaster HS30 (3)</ss>		LH172		08/24/1992	Holden's Foundation Seeds, Inc.
00251 LH224 00241 <ss 109-5=""> 00264 Paymaster HS30 (3)</ss>	9200250	LH223		08/24/1992	Holden's Foundation Seeds, Inc.
00241 <ss 109-5=""> 00264 Paymaster HS30</ss>	9200251	LH224		08/24/1992	Holden's Foundation Seeds, Inc.
	)TTON 9200241	<ss 109-5=""></ss>	Ü	08/04/1992	
	9200264		(3)	09/14/1992	Cargill Hybrid Seeds

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

## APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

NO		(*)	DATE	NAME OF AFFLICANT
<b>LETTUCE</b> 9200258	Encore	0	09/09/1992	Royal Sluis, Koninklijke Zaaiaadbedrijven Gebroeders Sluis, B.V.
9200270 Two Star	Two Star	0	09/22/1992	Brinker Orsetti Seed Co., Inc.
LOBELIA, ANNUAL 9200234 Pal	LIA, ANNUAL 9200234 Palace Blue/Eye	0	17/14/1992	07/14/1992 John Bodger & Sons Co.
9200235	9200235 Royal Palace	0	07/14/1992	07/14/1992 John Bodger & Sons Co.
MARIGOLD 9200236	GOLD 9200236 Little Hero Flame	8	7/14/1992	07/14/1992 John Bodger & Sons Co.
9200237	Little Hero Orange	0	07/14/1992	John Bodger & Sons Co.
9200238	Little Hero Yellow	0	17/14/1992	07/14/1992 John Bodger & Sons Co.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations. 5

JULY 1, 1992 TO SEPTEMBER 30, 1992 APPLICATIONS RECEIVED

APPL. NO.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
<b>MEADOWFOAM</b> 9200257	Floral		08/31/1992	Oregon State University AES
<b>ONION</b> 9200240	<ssc 8380=""></ssc>		08/03/1992	Shamrock Seed Company
<b>PEA</b> 9200239	<pj7625-5-1-1></pj7625-5-1-1>		07/16/1992	Rogers NK Seed Co.
<b>PEANUT</b> 9200252	VA-C 92R	(3)	(3) 08/24/1992	
<b>PEPPER</b> 9200255	Red Savina Habanero		08/26/1992	station 08/26/1992 Frank Garcia, Jr.
9200277	<434>		09/28/1992	Rogers NK Seed Co.
<b>PUMPKIN</b> 9200230	KIN 9200230 Baby Bear		07/10/1992	07/10/1992 Johnny's Selected Seeds

APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

### PERENNIAL 9200265 Express 9200265 Express 9200266 Delaware Dwarf 9200266 Delaware Dwarf 9200269 NightHawk 9200269 NightHawk 9200269 PH538 9200250 PH538 9200260 PHB122 09/11/1992 Pioneer Hi-Bred International, Inc. 9200260 PHB122 09/11/1992 Pioneer Hi-Bred International, Inc. 9200261 PHB118 09/11/1992 Pioneer Hi-Bred International, Inc. 9200263 PHA118 09/14/1992 Pioneer Hi-Bred International, Inc. 9200263 PHA122 09/14/1992 Pioneer Hi-Bred International, Inc. 9200263 PHA122 09/14/1992 Pioneer Hi-Bred International, Inc.	APPL.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
2266 Delaware Dwarf 2269 NightHawk 2259 PH538 2260 PHB122 2261 PHB118 2262 PHA118	EGRASS, PE 9200265	RENNIAL Express	0	19/14/1992	Pickseed West, Inc.
259 NightHawk 259 PH538 2260 PHB122 2261 PHB118 2262 PHA118	9200266	Delaware Dwarf	0	9/14/1992	Pickseed West, Inc.
259 PH538 2260 PHB122 2261 PHB118 2262 PHA118	9200269	NightHawk	0	9/22/1992	Forbes Seed & Grain, Inc.
PHB112 PHB118 PHA118	RGHUM 9200259	PH538	0	19/11/1992	Pioneer Hi-Bred International, Inc.
PHB118 PHA118	9200260	PHB122	0	9/11/1992	Pioneer Hi-Bred International, Inc.
PHA118 PHA122		PHB118	0	9/11/1992	Pioneer Hi-Bred International, Inc.
PHA122	9200262	PHA118	O	09/14/1992	Pioneer Hi-Bred International, Inc.
	9200263	PHA122	0	19/14/1992	Pioneer Hi-Bred International, Inc.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 7

< > Identifies temporary designations.

APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

APPL. NAME OF APPLICANT DATE	(3) 07/10/1992 University of Illinois	08/20/1992 Minnesota Agricultural Experiment Station	20/1992 Minnesota Agricultural Experiment Station	(3) 08/20/1992 Minnesota Agricultural Experiment Station	(3) 08/21/1992 AgraTech Seeds Inc.	08/21/1992 AgraTech Seeds Inc.	09/16/1992 DEKALB Plant Genetics
GEN. 1	(3) 07/1	(3) 08/3	(3) 08/20/1992	(3) 08/3	(3) 08/3	(3) 08/3	./60
VARIETY	Spry	Agassiz	Lambert	Parker	AT 550	AT 575	CX121
APPL. NO.	SOYBEAN 9200229	9200242	9200243	9200244 Parker	9200245 AT 550	9200246	9200267

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

## APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

			ů	ů	ຕໍ	ů	ů	
NAME OF APPLICANT	09/16/1992 Jacob Hartz Seed Company, Inc.	DEKALB Plant Genetics	09/22/1992 Pioneer Hi-Bred International, Inc.	Pioneer Hi-Bred International, Inc.	09/22/1992 Pioneer Hi-Bred International, Inc.	09/22/1992 Pioneer Hi-Bred International, Inc.	Pioneer Hi-Bred International, Inc.	Agrecol Corporation
APPL. DATE	09/16/1992	09/22/1992	09/22/1992	09/22/1992	09/22/1992	09/22/1992	09/22/1992	(1) 09/28/1992
GEN. (*)								(1)
VARIETY	tinued) H8448	CX248	PHA015	PHA043	PHA052	PHA053	PHA061	Enduro
APPL. NO.	SOYBEAN (Continued) 9200268 H8448	9200276	SUNFLOWER 9200271	9200272	9200273	9200274	9200275	<b>TRITICALE</b> 9200279

<sup>9</sup> 

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the

number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS RECEIVED JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF APPLICANT	07/13/1992 Texas Agricultural Experiment Station	(3) 08/25/1992 Ohio State University, Ohio Agricultural Research and Development Center	Ohio State University, Ohio Agricultural Research and Development Center	09/28/1992 FFR Cooperative	(3) 07/07/1992 Farmers Marketing Corporation
APPL. DATE	07/13/1992	08/25/1992	(3) 08/25/1992	09/28/1992	07/07/1992
GEN.	(3)	(3)	(3)		(3)
VARIETY	r Tam 202	Freedom	GR915	FFR 525W	<d 5456=""></d>
APPL. NO.	WHEAT, COMMON 9200233	9200253 Freedom	9200254	9200278 FFR 525W	WHEAT, DURUM 9200227 <d 5456=""></d>

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

## APPLICATIONS AMENDED

JULY 1, 1992 TO SEPTEMBER 30, 1992

applications received. During the examination process, the applicant requested this information be amended as Information concerning the varieties below has been published previously in the "Official Journal's" list of indicated below.

NAME OF APPLICANT	
APPL.	DATE
GEN.	<b>=</b>
VARIETY	
APPL.	NO.

BEAN, FIELD

Agassiz 8900188

04/19/1989 Rogers NK Seed Co.

Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co. Variety with temporary designation <D81127B> named 'Agassiz'. 03/27/90

8900192 Guardian

04/19/1989 Rogers NK Seed Co.

Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co. Variety with temporary designation <083353> named 'Guardian'. 03/27/90

9100163 CORN, FIELD

Name of owner changed from Lifaco Genetics to Limagrain Genetics.

09/30/1992 Limagrain Genetics

Variety with temporary designation <L155> named 'L 155'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 11

<sup>&</sup>lt; > Identifies temporary designations.

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APPLICATION	-
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	JULY 1, 1992 TO SEPTEMBER 30, 1992	TO SEP	TEMBER 30,	1992
APPL. NO.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
CAULIFLOWER 9100208 Blizzard	izzard	J	17/05/1991	07/05/1991 Rogers NK Seed Co.
Variety	Variety with temporary designation <nv 1550=""> named 'Blizzard'.</nv>	named	Blizzard'.	
LETTUCE 8900098 Epic	ic	(*)	18/31/1992	(*) 08/31/1992 Sakata Seed America, Inc.
Variety	Variety with temporary designation of $\mbox{AMX}$ 214> named 'Epic'.	> named	l'Epic'.	
9200258 Encore	core	O	09/09/1992	Royal Sluis, Koninklijke
Variety	Variety with temporary designation <rs 2613=""> named 'Encore'</rs>	named	Encore'.	Lagidaduedil)ven debioedeis stuis, D.V.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

## JULY 1, 1992 TO SEPTEMBER 30, 1992 APPLICATIONS AMENDED

APPL. NO.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
PEA				
8900222	Ava		11/30/1992	1/30/1992 Nunhems Seed Corporation
8900223	Boomer		08/31/1992	Nunhems Seed Corporation
8900224	Booster		10/30/1992	
8900225	Prairie		09/30/1992	Nunhems Seed Corporation
8900230	Applause		09/30/1992	Nunhems Seed Corporation
Name	Name of owner changed from Canners Seed Cornoration to Nunhems Seed Cornoration.	porati	no to Number	Seed Corporation
	too soon areas and			201000000000000000000000000000000000000

10/30/1992 Asgrow Seed Company Variety with temporary designation of <XP C268> named 'Alsweet III'. 9200099 Alsweet III

08/31/1992 Asgrow Seed Company 9200100 Epic

Variety with temporary designation of <XP F237> named 'Epic'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of continuous of continuou indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE JULY 1, 1992 TO SEPTEMBER 30, 1992

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

VARIETY	Belmont	Himalaya	Snowtop	Sernio	Etna	9681	Tropicana Apricot
APPL. NO.	9100009	8900126	8900166	8900273	0000030	9000188	9200107
KIND	BEAN, GARDEN	CAULIFLOWER	CAULIFLOWER	CAULIFLOWER	LETTUCE	SOYBEAN	VINCA

< > Identifies temporary designations.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM 1992 OF REPRESENTANTE 1 V.TITT

200	NAME OF OWNER	
TEMPER 30	ISSOE	DATE
CORI () (334 IO SEFIEMBEN 30, (33,	GEN.	(*)
	VARIETY	
	CERT.	NO.

### ARTICHOKE

'Emerald' is a 100% thornless artichoke, unlike other artichoke varieties. It has glossy (2) 07/31/1992 Tom G. Kurupas Farming green lower bracts with no purple coloring on them, and has an ovoid head shape. reaches market maturity in 200 days from direct seeding. 9100220 Emerald

### BEAN, FIELD

'Schooner' is most similar to 'Upland'; however, 'Schooner' matures on the average 07/31/1992 Rogers NK Seed Co. days later than 'Upland' 8900191 Schooner

8900193 Auburn

'Auburn' is most similar to 'Red Kloud'; however, 'Auburn' matures on the average 6 days 07/31/1992 Rogers NK Seed Co. earlier than 'Red Kloud'

8900254 UI 722

'UI 722' is most similar to 'Montcalm'; however, 'UI 722' has lighter color seeds with 'UI 722' blooms and matures on the 07/31/1992 University of Idaho (3) more reniform shape than does 'Montcalm'. Also,

average 4 days later than 'Montcalm'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

maturing an average of 6 days earlier in Idaho and as many as 22 days earlier in New York	'UI 906' is most similar to 'Midnight'; however, 'UI 906' is earlier than 'Midnight',	CERT. VARIETY GEN. ISSUE NAME OF OWNER NO. (*) DATE	X
	maturing an average of 6 days earlier in Idaho and as many as 22 days earlier in New York	EAN, FIELD (Continued) 8900255 UI 906 'UI 906' is most similar to 'Midnight'; however, 'UI 906' is earlier than 'Midnight', maturing an average of 6 days earlier in Idaho and as many as 22 days earlier in New York	(3) 0//31/1992 University of Idaho 10I 906' is most similar to 'Midnight'; however, 'UI 906' is earlier than 'Midnight', maturing an average of 6 days earlier in Idaho and as many as 22 days earlier in New York
'UI 906' is most similar to 'Midnight'; however, 'UI 906' is earlier than 'Midnight',		BEAN, FIELD (Continued)	
8900255 UI 906 (3) 07/31/1992 University of Idaho (1) 906' is most similar to 'Midnight'; however, 'UI 906' is earlier than 'Midnight',	8900255 UI 906 (3) 07/31/1992 University of Idaho		ELD (Continued)

'Etna' is most similar to 'Taylor's Horticultural'; however, 'Etna' is resistant to Bean Common Mosaic Virus, because it carries the I gene for resistance to that pathogen, 08/31/1992 Asgrow Seed Company whereas 'Taylor's Horticultural' does not carry this gene and is susceptible. 9100043 Etna

'Foxfire' is most similar to 'Red Kloud'. However, 'Foxfire' differs from 'Red Kloud' in flower color (pink vs white respectively) and in response to Bean Common Mosaic Virus 09/30/1992 Rogers NK Seed Co. strain NL3 (showing systemic necrosis vs local necrotic lesions respectively). 9200069 Foxfire

'Blue Ridge' is most similar to 'Torrent'; however, the pods of 'Blue Ridge' average 0.4 -07/31/1992 Ferry-Morse Seed Company 0.8 cm shorter than those of 'Torrent'. 8900038 Blue Ridge

BEAN, GARDEN

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF OWNER

ISSUE

VARIETY

CERT.

		07/31/1992 Rogers NK Seed Co.	has smaller diameter pods	to sieve size classes 1	nto these classes. Also,	OSU 4091-G' (8.2 vs 13.5 mm).
(*) DATE		07/31/1992	However, 'BBL 110'	the average fall in	% of the pods fall i	'BBL 110' than for '
NO.	BEAN, GARDEN (Continued)	9000105 BBL 110	'BBL 110' is most similar to 'OSU 4091-G'. However, 'BBL 110' has smaller diameter pods	at pod fresh maturity: 66% of the pods on the average fall into sieve size classes	through 3, whereas in 'OSU 4091-G' only 17% of the pods fall into these classes. Also,	the average pod spur length is longer for 'BBL 110' than for 'OSU 4091-G' (8.2 vs 13.5 mm).

in 'Calgreen' than in 'Green Genes' (Royal Horticultural Society (RHS) Colour Chart 144B vs 'Green Genes' (18.0 - 18.1 vs 16.3 - 16.4 cm respectively). Also, the pod color is darker 'Calgreen' is most similar to 'Green Genes'. However, 'Calgreen' has longer pods than 07/31/1992 Rogers NK Seed Co. 9000106 Calgreen

Minidoka' does not develop a pod suture string as the pods mature, whereas in 'Kentucky 'Minidoka' is most similar to 'Kentucky Wonder' and to 'Kentucky Blue'. However, 07/31/1992 Rogers NK Seed Co. Wonder' and 'Kentucky Blue' such a suture string does develop. 9000128 Minidoka

08/31/1992 Ferry-Morse Seed Company 'Oregon 91-G' (0.9 to 2.2 cm shorter on the average). Also, 'Rapids' has a longer pod 'Rapids' is most similar to 'Oregon 91-G'; however, 'Rapids' has a shorter pod than spur than does 'Oregon 91-G' (1.6 to 2.0 mm longer on the average). 9100010 Rapids

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF OWNER

ISSUE

GEN.

	07/31/1992 Ferry-Morse Seed Company rre' has a longer pod length (14.7 cm	07/31/1992 Del Monte Corporation er, 'DMC 04-59' has blooms under the 'DMC 04-88' the blooms are concentrated	07/31/1992 Del Monte Corporation 290'. However, 'DMC 04-88' is ch causes bacterial brown spot, and to uses aphanomyces root rot, whereas n plants of 'DMC 04-88' the blossoms are om, whereas on plants of 'Labrador' and	07/31/1992 Del Monte Corporation r., 'DMC 04-04' is susceptible to ot rot, whereas 'DMC 04-94' is resistant.	eder's seed.
NO. (*) DATE	BEAN, GARDEN (Continued) 9100109 Pierre 'Pierre' is most similar to 'Label'; however, 'Pierre' has a longer pod length (14.7 cm vs. 13.2 cm).	9200047 DMC 04-59 Orporation 'DMC 04-88'. However, 'DMC 04-59' has blooms under the canopy at the initiation of flowering, whereas in 'DMC 04-88' the blooms are concentrated above the canopy.	9200048 DWC 04-88  'DMC 04-88' is most similar to 'Labrador' and 'BBL 290'. However, 'DMC 04-88' is resistant to Pseudomonas syringae pv syringae, which causes bacterial brown spot, and to Aphanomyces euteiches f.sp. phaseolicola, which causes aphanomyces root rot, whereas 'Labrador' and 'BBL 290' are susceptible. Also, on plants of 'DMC 04-88' the blossoms are concentrated above the canopy at initiation of bloom, whereas on plants of 'Labrador' and 'BBL 290' the blossoms are under the canopy.	9200116 DMC 04-04  'DMC 04-04' is most similar to 'DMC 04-94'; however, 'DMC 04-04' is susceptible to Aphanomyces euteiches, which causes aphanomyces root rot, whereas 'DMC 04-94' is resistant.	(") To be sold by vallety make only as a class of certified seed permitted beyond breeder's seed.

CERT.

VARIETY

992	NAME OF OWNER	
JULY 1, 1992 TO SEPTEMBER 30, 1992	GEN. ISSUE	
JULY 1, 1992	VARIETY	
	CERT.	

BEAN, GARDEN (Continued)

Aphanomyces euteiches, which causes aphanomyces root rot, whereas 'DMC 04-59' is resistant 07/31/1992 Del Monte Corporation 'DMC 04-34' is most similar to 'DMC 04-59'; however, 'DMC 04-34' is susceptible to to that pathogen. 9200117 DMC 04-34

resistance to Pseudomonas syringae pv syringae, which causes bacterial brown spot, whereas 'DMC 04-94' is most similar to 'DMC 04-59' and 'DMC 04-88'. However, 'DMC 04-94' has 'DMC 04-59' is susceptible. Also, 'DMC 04-94' blooms under the canopy, whereas 'DMC 07/31/1992 Del Monte Corporation 04-88' has blossoms which are concentrated above the canopy at the initiation of 9200118 DMC 04-94 flowering.

9200119 DMC 06-01

'DMC 06-01' is most similar to 'Bush Romano 14'. However, 'DMC 06-01' has a tan seedcoat, lacking white, with a brown, narrow hilar ring, whereas 'Bush Romano 14' has a buff and 07/31/1992 Del Monte Corporation white seedcoat.

U (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

NAME OF OWNER JULY 1, 1992 TO SEPTEMBER 30, 1992 DATE \* VARIETY CERT. . 02

BEAN, GARDEN (Continued)

'Goldrush' is susceptible. Also, the pods of 'DMC 08-52' are more curved than those of Pseudomonas syringae pv syringae, which causes bacterial brown spot in beans, whereas 07/31/1992 Del Monte Corporation 'DMC 08-52' is most similar to 'Goldrush'. However, 'DMC 08-52' has resistance to 9200121 DMC 08-52 Goldrush'.

BLUEGRASS, KENTUCKY

the leaf spot and melting-out disease (4-5 vs 21-24% damage) incited by Drechslera poae. 'Lofts 1757' is most similar to 'Brunswick'; however, 'Lofts 1757' is more resistant to (3) 09/30/1992 Lofts Seed, Inc. 8800230 Lofts 1757

9200126 NuBlue

9=reddest), nodding (3 vs 8; 1-9 scale; 9=upright) panicle whereas 'Suffolk' has a green, 'NuBlue' is most similar to 'Suffolk'; however, 'NuBlue' has a red (6 vs 2; 1-9 scale; 08/31/1992 Jacklin Seed Company upright panicle.

9200127 NuStar

'NuStar' is most similar to 'Baron'; however, 'NuStar' is taller (82 vs 69 cm) and has darker seed head coloration (4.5 vs 7.5; 1-9 scale; 1=yellow, 9=purple) than 'Baron'. 08/31/1992 Jacklin Seed Company

JULY 1, 1992 TO SEPTEMBER 30, 1992

DATE

\*

ISSUE

VARIETY

CERT.

CAULIFLOWER

8900216 Minaret

'Minaret' is most similar to 'Romanesco'. 'Minaret' differs from 'Romanesco' in maturity from direct seeding (117 vs 146 days under Dutch autumn conditions) and length of

07/31/1992 Rijk Zwaan B.V. and Meo Voto B.V.

harvesting period (18 vs 52 days).

CORN, FIELD

9100035 FBLA

'FBLA' is most similar to 'A632Ht'. 'FBLA' differs from 'A632Ht' in pericarp color (brown 09/30/1992 DeKalb Plant Genetics 's colorless) and number of lateral tassel branches (5 vs 10).

9100036 6F629

(green-yellow vs pink) and average number of kernel rows (14 vs 17). '6F629' kernels are 09/30/1992 DeKalb Plant Genetics '6F629' is most similar to 'B73Ht'. '6F629' differs from 'B73Ht' in anther color orange whereas those of 'B73Ht' are deep yellow.

9100037 6M502A

'6M502A' is most similar to 'Mo17Ht', '6M502A' differs from 'Mo17Ht' in cob color (white vs pink), pericarp color (colorless vs pink), and average number of kernel rows (16 vs

09/30/1992 DeKalb Plant Genetics

💟 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CLAIM	
ON APPLICANT'S	1992
Ö	30
BASED	SEPTEMBER
NOVELTY	U2
NO	F.
AND	1992
ë,	_
ISSUED	JULY
CERTIFICATES	

NAME OF OWNER	09/30/1992 DeKalb Plant Genetics rrs from 'B73Ht' in pollen shed maturity . leaf blight (resistant vs susceptible).	09/30/1992 Holden's Foundation Seeds, Inc. fers from 'LH123Ht' in ear height (63 vs.).	09/30/1992 Limagrain Genetics rs from 'L 135' in number of lateral oink).	08/31/1992 Holden's Foundation Seeds, Inc. rs from 'LH163' in anther color (purple
ISSUE	9/30/1992 s from 'B7 leaf bligh -yellow an	9/30/1992 ers from '	9/30/1992 s from 'L nk).	8/31/1992 s from 'LH
GEN.	0   differ   duthern  as green	0 13' diff 5 vs 13)	0 differ od vs pi	diffe
VARIETY	CORN, FIELD (Continued) 9100038 NL001 'NL001' is most similar to 'B73Ht'. 'NL001' differs from 'B73Ht' in pollen shed maturity (1473 vs 1541 heat units) and reaction to southern leaf blight (resistant vs susceptible). 'NL001' has pink anthers whereas '6F629' has green-yellow anthers.	09/30/1992 Holden's Foundation Seeds, II 'LH213' is most similar to 'LH123Ht'. 'LH213' differs from 'LH123Ht' in ear height (63 vs 85 cm) and average number of kernel rows (15 vs 13).	163 L 155 Limagrain Genetics Ll 155' is most similar to 'L 135'. 'L 155' differs from 'L 135' in number of lateral tassel branches (5 vs 17) and silk color (red vs pink).	265. LH164 is most similar to 'LH163'. 'LH164' differs from 'LH163' in anther color (purple vs yellow) and in silk color (red vs green).
CERT.	CORN, FIELD (Conti 9100038 NL001 NL001 is (1473 vs 1' 'NL001' h	9100071 LH213 'LH213' is 85 cm) and	9100163 L 155 'L 155' is tassel bra	9100265. LH164 'LH164' is vs yellow)

'904' is most similar to 'Oh43'. '904' differs from 'Oh43' in cob color (red vs white),

anther color (purple vs greenish yellow), and husk tightness (loose vs tight).

9200123 904

07/31/1992 Northrup King Co.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM OC GREENERS OF COOL

### DELPHINIUM

'Magic Fountains Dark Blue/Dark Bee' is most similar to Pacific variety 'Black Knight', In side-by-side comparisons, 'Magic Fountains Dark Blue/Dark Bee' differs from 'Black 09/30/1992 John Bodger & Sons Co. 9000001 Magic Fountains Dark Blue/Dark Bee Knight' in stem height (75 vs 125 cm).

side-by-side comparisons, 'Magic Fountains Lilac Pink' differs from 'Astolat' in plant 09/30/1992 John Bodger & Sons Co. 'Magic Fountains Lilac Pink' is most similar to Pacific variety 'Astolat'. In 9000002 Magic Fountains Lilac Pink height (75 vs 125 cm).

side-by-side comparisons, 'Magic Fountains Sky Blue' differs from 'Summer Skies' in plant 09/30/1992 John Bodger & Sons Co. 'Magic Fountains Sky Blue' is most similar to Pacific variety 'Summer Skies'. In 9000003 Magic Fountains Sky Blue height (75 vs 125 cm).

### FESCUE, TALL

'Shortstop' is most similar to 'Trailblazer'; however, 'Shortstop' has panicles that are 09/30/1992 Pickseed West Inc. nodding whereas the panicles of 'Trailblazer' are erect. 8900298 Shortstop

the number of generations of certified seed permitted beyond breeder's seed.

N (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM TITI,V 1. 1992 TO SEPTEMBER 30, 1992

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In addition, butt shape of 'Epic' is round whereas that of 'Ithaca' is Epic' is most similar to 'Ithaca'; however, seed color of 'Epic' is white whereas that of (\*) 08/31/1992 Sakata Seed America, Inc. 'Ithaca' is black. 8900098 Epic

### 9000024 Pioneer

In addition, 'Pioneer' is tolerant of lettuce infections yellows virus whereas 'Valley King' Pioneer' are entire and moderate whereas those of 'Valley King' are incised and glossy. 'Pioneer' is most similar to 'Valley King'; however, leaf margin and reflectance of 08/31/1992 Bruce Church, Inc. is susceptible.

### 9000142 Sierra

In addition, head weight of 'Sierra' is 400 g whereas that of 'Canasta' is 350 g. of 'Sierra' are absent to slight blistering, and little or no curling respectively whereas surface blistering and margin undulation. Leaf surface blistering and margin undulation Sierra' is most similar to 'Canasta'; however, 'Sierra' differs from 'Canasta' in leaf those of 'Canasta' are moderate to strong blistering, and moderate to strong margin 07/31/1992 Vilmorin, S.A. curling.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

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### LETTU

09/30/1992 Rijk Zwaan Zaadteelt en Zaadhandel B.V. throughout. In addition, 'Raisa' has a shorter core height than 'Red Salad Bowl' (30 vs 'Raisa' is most similar to 'Red Salad Bowl'; however, the leaf anthocyanin distribution pattern of 'Raisa' is spotted to diffused, whereas that of 'Red Salad Bowl' is diffused

'Pro 917' is most similar to 'South Bay'; however, 'Pro 917' has a darker leaf color than 'South Bay' (RHS Colour Chart 146A vs 144A respectively). In addition, 'Pro 917' has larger frame diameter (47 vs 41 cm) and head diameter (17 vs 14 cm) than 'South Bay'. 09/30/1992 Genecorp, Inc. 9100246 Pro 917

'Basore 920' is most similar to 'South Bay'; however, 'Basore 920' has a darker leaf color than 'South Bay' (RHS Colour Chart 146B vs 144A respectively). In addition, 'Basore 920' has a larger frame diameter (44 vs 41 cm) and head diameter (16 vs 14 cm) 'South Bay'. 08/31/1992 Genecorp, Inc. 9100247 Basore 920

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM TITLY 1 1992 TO SEDTEMBER 30

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LETIUCE (Continued)

08/31/1992 Arthur Yates & Co. Pty. Ltd 'Magnum' is most similar to 'Target'; however, 'Magnum' differs from 'Target' by having a heavier head weight (1113 g vs 1032 g for 'Target'). Additionally, maturity days for 'Magnum' is 52 days from transplanting whereas it is 50 days for 'Target'. 9200142 Magnum

9200149 Gilaben

mildew pathotype 3 whereas 'Fallgreen' is resistant. In addition, 'Gilaben' has a wider 08/31/1992 Ferry-Morse Seed Company 'Gilaben' is most similar to 'Fallgreen'; however, 'Gilaben' is susceptible to downy core diameter (3 cm) than 'Fallgreen' (2.7 cm).

('Scamp' averages 1-2 days later) and in seed size ('Scamp' averages 0.55 class smaller). 'Scamp' is most similar to 'Arctic'. 'Scamp' differs from 'Arctic' in days to maturity 09/30/1992 Pure Line Seeds, Inc. 8900066 Scamp

8900106 Reco

'Reco' is most similar to 'Bikini' and 'Danu'; however, 'Reco' lacks fasciation, which Also, 'Reco' is an average of 8 cm shorter than 'Danu' in vine height. 'Bikini' has.

07/31/1992 NESTEC S.A.

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PEA (Continued)

8900223 Boomer

resistant to Bean Leaf Roll virus, whereas '9888 Freezer' is susceptible. Also, 'Boomer' is 08/31/1992 Nunhems Seed Corporation resistant to Erysiphe communis (which causes Powdery Mildew in peas), whereas 'OSU 523 'Boomer' is most similar to '9888 Freezer' and 'OSU 523 Freezer'; however,

Freezer' is susceptible.

'Prairie' is most similar to '8615 Early Perfection'; however, 'Prairie' has an average 09/30/1992 Nunhems Seed Corporation sieve size of 3.5 whereas '8615 Early Perfection' has an average sieve size of 4.0. 8900225 Prairie

'Applause' is susceptible to pea enation mosaic virus, whereas 'Booster' and '9000 F.' 09/30/1992 Nunhems Seed Corporation 'Applause' is most similar to 'Booster', 'Bounty', '9000 F.', and '9888 F.'; however, resistant. Also 'Applause' is 3 days later to bloom than '9888 F.' and has a smaller average sieve size than 'Bounty'(2.92 vs. 3.66). 8900230 Applause

are

'Mariner' is most similar to 'Bounty'; however, 'Mariner' is highly tolerant to the Pea 08/31/1992 Rogers NK Seed Co. Enation Mosaic Virus, whereas 'Bounty' is susceptible. 9100176 Mariner

U \*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

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'Tasman' is most similar to 'Headliner'; however, 9100177 Tasman PEA (Continued)

"Tasman" is resistant to Bean Yellows 08/31/1992 Rogers NK Seed Co. Mosaic Virus, whereas 'Headliner' is susceptible.

'Epic' is most similar to 'Coral'; however, 'Epic' is resistant to Fusarium oxysporum 08/31/1992 Asgrow Seed Company f.sp. pisi race 2, which causes fusarium wilt, whereas 'Coral' is susceptible. 9200100 Epic

'Arise' is most similar to 'Spring'; however, 'Arise' exhibits the afila foliage mutation, in which the leaflets are modified and borne as tendrils, whereas 'Spring' has normal 09/30/1992 Asgrow Seed Company 9200101 Arise

'Encore' is most similar to 'Bolero'; however, 'Encore' differs from 'Bolero' in reaction to Erysiphe communis, the fungus which causes powdery mildew (resistant vs susceptible). 09/30/1992 Asgrow Seed Company 9200102 Encore

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

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'Lirabon-00' is most similar to 'Jet Neuf'; however, 'Lirabon-00' is an average of 14 cm taller (153 vs 139 cm) and has a lower glucosinate content (17 vs 70 moles/g) than 'Jet (2) 07/31/1992 Cargill, Inc. 8800237 Lirabon-00

ICE

07/31/1992 Sumitomo Chemical Co., Ltd. I' differs from 'Koqanebare' and 'Nipponbare' in having glabrous leaves whereas Akenoboshi' in having a 50% heading date 4 to 5 days earlier than 'Akenoboshi'. 'Koganebare' and 'Nipponbare' have pubescent leaves. 'Sumirice II' differs from 'Sumirice II' is most similar to 'Koganebare', 'Nipponbare', and 'Akenoboshi'. 9000090 Sumirice II

RYEGRASS, ANNUAL

planted in western Oregon after May 1, over 95% of 'Max' plants fail to reproduce during 'Max' is most similar to 'Comet'; however, 'Max' has a vernalization requirement. 07/31/1992 Willamette Seed Co. the summer, whereas over 95% of 'Comet' plants will reproduce. 8800227 Max

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF OWNER	07/31/1992 Northrup King Co. ifferentiated from 'S29-20' on the basis perma. 'S29-39' is resistant, whereas	08/31/1992 Pioneer Hi-Bred International, Inc. 1' is susceptible to race 1 of tant.	09/30/1992 Ziller Seed Co., Inc. 2585' has a purple flower color and a r color and a yellow hilum color. Also	
ISSUE	07/31/1992 ifferentiat perma. 'S29	08/31/1992 1' is susce tant.	09/30/1992 2585' has r color and	
GEN.	t can be di	rever, 1917	wever, 'BT hite flower	
VARIETY	EAN (Continued) 9000166 S29-39 'S29-39' is most similar to 'S29-20'. It can be differentiated from 'S29-20' on the basis of reaction to races 3 and 7 of Phytophthora megasperma. 'S29-39' is resistant, whereas 'S29-20' is susceptible.	08/31/1992 Pioneer Hi-Bred In <sup>1</sup> 19171' is most similar to 'Lakota'. However, '9171' is susceptible to race 1 of <u>Phytophthora megasperma</u> , whereas 'Lakota' is resistant.	9000213 BT 2585  'BT 2585' is most similar to 'B216'. However, 'BT 2585' has a purple flower color and a buff hilum color, whereas 'B216' has a white flower color and a yellow hilum color. Also's matures 5 days earlier than 'B216'.	
CERT.	SOYBEAN (Continued) 9000166 S29-39 'S29-39' is of reaction 'S29-20' is	9000181 9171 9171 is Phytophth	9000213 Br buf	

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

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## RYEGRASS, PERENNIAL

'Amazon' attains 50% heading an average 09/30/1992 Willamette Seed Co. 'Amazon' is most similar to 'Reveille'; however, of 3 days later than 'Reveille'. 8800229 Amazon

### SOYBEAN

09/30/1992 Tohoku National Agricultural 'Kosuzu' is most similar to 'Natto-Shohryuh'; however, 'Kosuzu' matures an average of 18 days earlier than 'Natto-Shohryuh'. 9000110 Kosuzu

08/31/1992 Asgrow Seed Company

9000146 A2396

'A2396' is most similar to 'A2943', 'AP2190', 'AP2324', and 'CX265'. However, 'A2396' is resistant to race 1 of Phytophthora megasperma Drechs. f. sp. glycinea (phytophthora peroxidase activity, whereas 'A2943' and 'AP2190' have a high peroxidase activity. root rot), whereas 'AP2324' and 'CX265' are susceptible. Also 'A2396' has a low

9000159 HS 2533

'HS 2533' is most similar to 'Century 84'; however, 'HS 2533' has white flowers, whereas 'Century 84' has purple.

07/31/1992 GROWMARK Inc.

CERT.	VARIETY GEN. ISSUE	GEN.	ISSUE	NAME OF OWNER
SOYBEAN (Continued) 9100025 Kasota 'Kasota' is and 9 of Ph	(Continued) 025 Kasota (3) 09/30/1992 Minnesota Agricultural Expensator is most similar to 'Sibley'. However, 'Kasota' is resistant to races 3, 7, 8, and 9 of Phytophthora megasperma Drechs. f. sp. glycinea (phytophthora root rot), whereas 'Sibley' is susceptible to races 3, 7, 8, and 9 of P. megasperma Drechs. f. sp. glycinea.	(3) wever, 'K f. sp. gl	09/30/1992 asota' is ycinea (ph P. megasp	(3) 09/30/1992 Minnesota Agricultural Experiment r. 'Kasota' is resistant to races 3, 7, 8, p. glycinea (phytophthora root rot), whereas 9 of P. megasperma Drechs. f. sp. glycinea.
9100033 CX210 'CX210' is to race 1 has a buff	03/31/1992 DeKalb Plant Genetics 'CX210' is most similar to 'A1937'. However, 'CX210' has a black hilum color and is susceptible to race 1 of Phytophthora megasperma var. sojea (phytophthora root rot), whereas 'A1937' has a buff hilum color and is resistant to race 1 of P. megasperma var. sojea.	ver, 'CX2 <u>sojea</u> (p	07/31/1992 10' has a l hytophthor	07/31/1992 DeKalb Plant Genetics 110' has a black hilum color and is susceptible hytophthora root rot), whereas 'A1937' of P. megasperma var. sojea.
9100063 Hartwig	Hartwig	(3)	07/31/19	07/31/1992 The Curators of the University of Missouri
'Hart 4, 5,	'Hartwig' is most similar to 'Forrest'. However, 'Hartwig' is resistant to races 1, 2, 3, 4, 5, 6, 9, and 14 of Heterodera glycines Ichinohe (soybean cyst nematode), whereas	However, Ichinohe	'Hartwig' (soybean	is resistant to races 1, 2, 3, cyst nematode), whereas

'Forrest' is only resistant to races 1 and 3 and suceptible to races 2, 4, 5, 6, 9, and 14.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

#### JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF OWNER ISSOE DATE \* VARIETY NO.

SOYBEAN (Continued)

incognita (south root knot nematode), whereas 'Bedford' is susceptible to  ${ t M.}$  incognita. 'S64-23' is most similar to 'Bedford'. However, 'S64-23' is resistant to Meloidogyne 08/31/1992 Northrup King Co. Also, 'S64-23' has greater resistance to race 4 of Cercospora sojinae (frogeye leafspot) than 'Bedford'. 9000265 S64-23

In addition, 'S64-23' and 'S61-89' are both most similar to 'Bedford. However, 'S64-23' has a white flower color and a green with bronze hypocotyl color, whereas 'S61-89' has purple flower color and a dark purple hypocotyl color.

moderately resistant to race 5 of <u>Heterodera glycines</u> (soybean cyst nematode), whereas 'S61-89' is most similar to 'Bedford'. However, 'S61-89' has a purple flower and is 'Bedford' has a white flower and is susceptible to  $\frac{H_{\star}}{c}$  alycines. Also, 'S61-89' has a greater resistance than 'Bedford' to races 4 and 5 of Cercospora solinae (frogeye 08/31/1992 Northrup King Co. 9000266 s61-89

In addition, 'S61-89' and 'S64-23' are both most similar to 'Bedford'. However, 'S61-89' has a purple flower color and a dark purple hypocotyl, whereas 'S64-23' has white flower color and a green with bronze hypocotyl color.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

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SOYBEAN (Continued)

flower color, whereas 'CM203' is susceptible to races 1, 3, and 7 of P. megasperma Drechs. 'CX291' is most similar to 'CM203'. However, 'CX291 is resistant to races 1, 3, and 7 of Phytophthora megasperma Drechs. f. sp. glycinea (phytophthora root rot) and has a purple 08/31/1992 DeKalb Plant Genetics 9100075 CX291

f. sp. glycinea and has a white flower color.

resistant to race 3 of H. glycines, race 2 of P. megasperma var. sojae, and M. incognita. 'FFR 695' is most similar to 'Centennial'. However, 'FFR 695' has a white flower color and is susceptible to race 3 of Heterodera glycines (soybean cyst nematode), race 2 of Phytophthora megasperma var. sojae (phytophthora root rot), and Meloidogyne incognita (southern root-knot nematode); whereas 'Centennial' has a purple flower color and is 08/31/1992 FFR Cooperative 9100130 FFR 695

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SOYBEAN (Continued) 9100131 3615

Cercospora sojina, and stem canker, Diporthe phaseolorum var. caulivora. '3615' has shiny seed coats and is resistant to the races of frogeye leaf spot present at Ripley, TN, and coats, is susceptible to the above races of frogeye leaf spot, and is moderately resistant '3615' is most similar to 'DP 105', which is one of the parents; however, the two may be 08/31/1992 Ciba-Geigy Seeds Division Lake Providence, LA during the growing season of 1989, whereas 'DP 105' has dull seed distinguished by seed coat luster, reaction to certain races of frogeye leaf spot, to stem canker.

07/31/1992 Southern States Cooperative, Inc. color and is resistant to race 1 of Phytophthora megasperma Drechs. f. sp. glycinea (phytophthora root rot), whereas 'SS 391' and 'A3803' have a white flower color, plus 'SS 'SS 390' is most similar to 'SS 391' and 'A3803'. However, 'SS 390' has a purple flower 391' is susceptible to race 1 of P. megasperma Drechs. f. sp. glycinea. 9100148 SS 390

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

#### CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

OCH 19 100 IO DE LEMBER 309 1002	VARIETY GEN. ISSUE NAME OF OWNER (*) DATE	(Continued) 149 SS 516 149 SS 516 149 SS 516 140 SS 516 140 The soybean variety 'SS 516' is most similar to the varieties 'Essex', 'Hutcheson', 'Stafford', A5403', 'FFR 561', 'Pershing', and 'Deltapine 415'. However, 'SS 516' has a white flower color, whereas 'Essex', 'Hutcheson', 'Stafford', 'A5403', and 'Deltapine 415' have a purple flower color. In addition, 'SS 516' has a yellow hilum, whereas 'Stafford', 'A5403', and 'Deltapine 415' have an imperfect black hilum color. Also, 'SS 516' is	resistant to both race 1 of Phytophthora megasperma var. sojea (phytophthora root rot) and race 3 of <u>Heterodera glycines</u> (soybean cyst nematode), whereas 'FFR 561' and 'Pershing' are susceptible to both species.
	CERT. VAR.	SOYBEAN (Continued) 9100149 SS 516 The soybean 'Stafford', white flower have a purpl' 154613', and	resistant to race 3 of Herace susceptil

07/31/1992 Pioneer Hi-Bred International, Inc. 08/31/1992 Pioneer Hi-Bred International, Inc. Phytophthora megasperma var. sojea (phytophthora root rot), whereas 'AP1776' is resistant '9392' is most similar to 'A3733'; however, '9392' has high seedcoat protein peroxidase '9131' is most similar to 'AP1776'. However, '9131' is susceptible to race 1 of activity, whereas 'A3733' exhibits low seedcoat protein peroxidase activity. to race 1 of P. megasperma var. sojea. 9100180 9131 9100182 9392

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SOYBEAN (Continued)

09/30/1992 Pioneer Hi-Bred International, Inc. '9443' is most similar to '9402' and 'Fayette'. However, '9443' is susceptible to soybean lower than '9402' for percent protein in the seed, averaging 42.21% vs 43.8% respectively. cyst nematode race 1, whereas '9402' and 'Fayette' are resistant. In addition, '9443' is 'Fayette' differs from '9443' in plant height, averaging 39.2 inches vs 34.4 inches, respectively. 9100183 9443

09/30/1992 Pioneer Hi-Bred International, Inc. resistant to Meloidogyne incognita (southern rootknot nematode) and susceptible to race '9593' is most similar to '9592', '6995', 'Bedford', and 'A5980'. However, '9593' is incognita and '6995', 'Bedford', and 'A5980' are resistant to race 4 of H. glycines. of <u>Heterodera glycines</u> (soybean cyst nematode), whereas '9592' is susceptible to <u>M.</u> 9100184 9593

08/31/1992 Pioneer Hi-Bred International, Inc. '9583' is most similar to '9591'. However, '9583' has white flowers, whereas '9591' has purple flowers, 9100186 9583

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

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SOYBEAN (Continued)				
9100188 9761 09/30/1992 Pioneer Hi-Bred Internat		09/30/1992	09/30/1992 Pioneer Hi-Bred International, Inc.	Inc
19761 IS MUSE SIMILAR TO 19011, 197311, 197111, 197190, DIAMONI, MIND SCONEWALE. HOWEVER, 19761' differs by the following characteristics: 19761' is susceptible to race 3	haracter	istics: '97	761' is susceptible to race 3	
of Heterodera glycines (soybean cyst nematode), whereas '9691' and '9751' are resistant to	ode), wh	ereas 19691	" and '9751' are resistant to	
race 3; '9761' is resistant to Diaporthe phaseolorum var. calivora (stem canker), whereas	haseolor	um var. cal	ivora (stem canker), whereas	
19711' is susceptible; '9761' has a purple flower color, whereas 'H7190' has a white	flower	color, when	eas 'H7190' has a white	
flower color; '9761' is resistant to race 5 of Cercospora sojina (frogeye leafspot),	5 of Cer	cospora so	jina (frogeye leafspot),	
whereas 'Braxton' is susceptible to race 5; and '9761' is susceptible to race 4 of	; and 19	761' is sus	sceptible to race 4 of	
Heterodera glycines (soybean cyst nematode), whereas 'Stonewall' is resistant to race 4.	), where	as 'Stonev	vall' is resistant to race 4.	

3 and 14 of Heterodera glycines (soybean cyst nematode), whereas 'A7986' and 'Young' are susceptible. Also, 'A6961' has a white flower and buff hilum color, whereas 'A6961' is most similar to 'A7986' and 'Young'. However, 'A6961' is resistant to races A7986' has a purple flower color and an imperfect black hilum color. In addition, 08/31/1992 Asgrow Seed Company 'A6961' is 4 days later in maturity than 'Young' and 6 days earlier in maturity than 'A7986'. 9100190 A6961

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

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CERT.	NO.

SOYBEAN (Continued) 9100191 A3242

'A3242' is most similar to 'A2943', 'A3415', and '9303'. However, 'A3242' is resistant to races 3 and 14 of <u>Heterodera glycines</u> Ichinohe (soybean cyst nematode) and has a purple flower, gray pubescence, and an imperfect black hilum; whereas 'A2943' and '9303' are susceptible to races 3 and 14 of H. glycines Ichinohe, '9303' has a yellow hilum, and 'A3415' has a white flower, a tawny pubescence, and a black hilum. 08/31/1992 Asgrow Seed Company

'BT 1422' is most similar to 'Evans'. However, 'BT 1422' has a purple flower color and 08/31/1992 Ziller Seed Co., Inc. dark purple hypocotyl color, whereas 'Evans' has a white flower color and a green 9100249 BT 1422

hypocotyl color.

(3) 09/30/1992 Minnesota Agricultural Experiment Station 9200018 Bert

hypocotyl, and a buff hilum, whereas 'Sibley' has a white flower, a green hypocotyl, and 'Bert' is most similar to 'Sibley'. However, 'Bert' has a purple flower, a purple a yellow hilum. Also, 'Bert' matures approximately 3 days later than 'Sibley'.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF OWNER	08/31/1992 Ferry-Morse Seed Company ;, 'Enduro' has a true pear fruit shape ire, fruit shape.	(3) 08/31/1992 AgriPro Biosciences Inc. ver, 'Bergen' has a shorter (range = 1.6-4.5 ge = 2.5-6.5 mm) and 'Bergen' is 1 day
ISSUE	08/31/1992 ', 'Enduro' h re, fruit sh	08/31/1992 'Bergen' has 2.5-6.5 mm)
CERT. VARIETY GEN. NO. (*)	TOMATO 8900204 Enduro 'Enduro' is most similar to 'Cannery Row'; however, 'Enduro' has a true pear fruit shape whereas 'Cannery Row' has a 1/2 long, or deep square, fruit shape.	WHEAT, COMMON 9000101 Bergen 'Bergen' is most similar to 'Marshall'; however, 'Bergen' has a shorter (range = 1.6-4.5 mm) acuminate glume beak than 'Marshall' (range = 2.5-6.5 mm) and 'Bergen' is 1 day earlier heading.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

#### CERTIFICATES AMENDED JULY 1, 1992 TO SEPTEMBER 30, 1992

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

ISSUE NAME OF OWNER DATE	05/31/1988 Rijk Zwaan Zaadteelt en Zaadhandel B.V. and Meo Voto Beheer B.V.
DATE	05/31/1988
GEN.	
VARIETY	Alverda
NO.	CAULIFLOWER 8700190 Alverda

Name of owner changed from TS Seeds B.V. to Rijk Zwaan Zaadteelt en Zaadhandel B.V. and Meo Voto Beheer B.V.

12/31/1990 Rustica Semences RS710 9000129 CORN, FIELD

Name of owner changed from Dahlgren & Company, Inc. to Rustica Semences.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

#### CERTIFICATES EXPIRED

JULY 1, 1992 TO SEPTEMBER 30, 1992

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name, However, varieties published in this list may possibly be protected under only as a class of certified seed.

the Patent Act.	, t		
CERT.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
BEAN, GARDEN 7500070	Spurt	08/08/1992	Asgrow Seed Company
7500071	Bush Blue Lake 53	08/08/1992	Asgrow Seed Company
BLUEGRASS, KENTUCKY 7400017 Enmu	SNTUCKY Enmundi	08/08/1992	Van Engelen Zaden B.V., Neth.
<b>COLTON</b> 7200047	Tamcot SP21	08/08/1992	TEXAS AGRIC. EXPT. STA.
7200081	TPSA 1633	08/08/1992	Valley Co-op Oil Mill
MARIGOLD 7200087	Gypsy Sunshine	08/08/1992	Les Produits Organiques du Santerre-Orsan S.A.

CERTIFICATES EXPIRED JULY 1, 1992 TO SEPTEMBER 30, 1992

NAME OF APPLICANT	Mississippi Agric. For. Expt. Sta.	Delaware Agric. Expt. Sta.	Ferry-Morse Seed Co.	Ferry-Morse Seed Co.
EXPIRATION DATE	08/08/1992	08/08/1992	08/08/1992	08/08/1992
VARIETY	Forrest	Emerald	Jet-Set Madrid	Jet-Set St. Moritz
CERT.	<b>SOYBEAN</b> 7300058	7500052	SWEETPEA 7200124	7200125

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